

ABSTRACT OF THE DISCLOSURE

Apparatus, and associated method, verifies values of antenna weightings used to weight transmit signals transmitted by a base transceiver station which utilizes transmit diversity.

5 Verification is performed at a mobile station which receives transmit signals sent by the base transceiver station. Sequence estimation is provided by a sequence estimator which thereby verifies the values of the feedback information. Once verified, the values are returned to the base transceiver station and are utilized to adjust the weightings of the antennas for subsequently-communicated signals by the base station. The use of sequence estimation permits improved accuracy of verification of the values of the antenna weightings.